

Title (en)

ELECTRODE CAPABLE OF STORING HYDROGEN AND A METHOD FOR THE PRODUCTION OF THE SAME

Title (de)

ELEKTRODE MIT SPEICHERVERMÖGEN FÜR WASSERSTOFF UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

ELECTRODE A CAPACITE DE STOCKAGE D'HYDROGENE, ET SON PROCEDE DE PRODUCTION

Publication

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Application

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Abstract (en)

[origin: DE19929949A1] The invention relates to an electrode which is capable of storing hydrogen, comprising a metallic support material, onto which an active mass is applied. The invention is characterised in that the active mass can be obtained from a paste, consisting of a dry portion and a liquid portion. The dry portion consists of a mixture of a powdered alloy for storing hydrogen, carbon black and polytetrafluoroethylene (PTFE), whereby the particles of the storage alloy are covered with small threads of PTFE and whereby the liquid portion consists of a mixture of water and a superior alcohol comprising 3 to 6 C-atoms. The invention also relates to a method for producing an electrode of this type.

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